DEPARTMENT OF DEVELOPMENTAL SERVICES
INFORMATION TECHNOLOGY DIVISION
ENTERPRISE DATA OPERATIONS
SAS REPORTING & ANALYSIS SECTION

DUTY STATEMENT

JOB TITLE: Information Technology Specialist II   **POSITION #:** 472-517-1414-912

WORKING TITLE: Data Integration Developer   **EMPLOYEE:** Vacant

POSITION DESCRIPTION: Under the general administrative direction of the Information Technology Manager I, the Information Technology Specialist II performs duties on projects and assignments related to design, management, and maintenance of the information technology systems, databases, and files that capture information concerning consumers and the services they receive. The Data Integration (DI) Developer is an expert with deep understanding of integration technologies and architecture who works to model, execute, and manage data integration practices that ingest, transform and provision data across various sources into an organized and unified view. The DI Developer handles data integration tasks for the department, helping determine data-related needs and recommending improvements as needed. The developer will follow DDS's guidelines to ensure that data is sufficiently available and of good quality to meet the department's needs.

SUPERVISION EXERCISED: None.

SUPERVISION RECEIVED: Information Technology Manager I

DOMAINS: Information Security Engineering: moderate skills
               IT Project Management: moderate skills
               Business Technology Management: moderate skills
               Software Engineering: critical skills
               System Engineering: critical skills
               Client Services: moderate skills

EXAMPLES OF DUTIES:

Essential Job Functions:

30%   Design and development of API and integration solutions between existing custom applications, data warehouses, and 3rd party systems.

30%   Handle data integration tasks for the department, help determine data-related needs and recommend improvements. Follow industry best practices and guidelines to ensure that data is sufficiently available and of good quality to meet the department's needs. Work with outside departments and other sources to ensure data requirements for the departments are met.

20%   Oversee and assure the proper integration and movement of DDS data. Obtain, analyze, transform and load data from client file extracts and other internal/external data sources into physical data stores.

15%   Work with project managers and stakeholders to understand and refine project functional requirements including data mapping, error handling and validation.

<u>Marginal Job Functions</u>:

5%   Complete other required duties within the scope of this position.

DESIRED QUALIFICATIONS:

<u>Knowledge of:</u> System and database design, applications development life-cycle principles; project management methodologies, and information technology business procedures and best practices. Expert knowledge of relational database and statistical analysis methods and processes.

<u>Ability to:</u> Develop and maintain cooperative and harmonious relationships with department, regional centers, the public, and others; work with professional personnel in the field relating to coordinating and developing services for persons with developmental needs; analyze situations accurately and take effective action; speak and write effectively; reason logically and creatively; analyze data and present ideas and information effectively; review and edit written reports; and establish and maintain project priorities.

DESIRED SKILLS AND EXPERIENCE:

- Experience in data integration, data warehouse, development, and implementation.
- Experience in architecture patterns and data integration design principles.
- Knowledge about various architectures, patterns, and protocols such as ODBC, JDBC, unified data management architecture (UDM), event-driven architecture, real-time data flows, non-relational repositories, data virtualization, cloud enablement, etc.
- Experience with ETL and other business intelligence tools.
- Knowledge of and experience with multiple data integration and data warehouse platforms (MS SQL Server, Informatica, Qlik Data Integration, AWS Glue, Snowflake, Redshift, etc.).
- Ability to regularly learn and adopt new technology.
- Experience developing reference architecture, principles and standards.

WORKING CONDITIONS:

- Open-spaced partitioned offices.
- Prolonged periods on a personal computer up to 95% of the time.
- Occasionally required to move or transport objects weighing up to 25 pounds.
- May require 24x7 on-call support responsibility as well as weekend support.
- Occasional travel up to 10% for overnight or day trips for covered California locations.

CERTIFICATION OR LICENSE: None